C++ ASSIGNMENT

1.Ques: Given an m x n integer matrix matrix, if an element is 0, set its entire row and column to 0's. You must do it in place. Input: 111 101 111 **Output:** 101 000 101 Ans: #include < iostream > #include<vector> using namespace std; int main(){ int m; cout<<"Enter rows: "; cin>>m: int n; cout<<"Enter columns: "; cin>>n: vector<bool>rows(m,false); vector<bool> coloums(n,false); int arr[m][n]; for(int i=0;i<m;i++){ for(int j=0;j<n;j++){

cin>>arr[i][j];

```
}
cout < endl;
for(int i=0;i<m;i++){
     for(int j=0;j<n;j++){
          if(arr[i][j]==0){
                rows[i]=true;
                coloums[i]=true;
          }
     }
for(int i=0;i<m;i++){
                         //0120
     if(rows[i]==true){
          for(int j=0;j<n;j++){
                arr[i][j]=0;
          }
     }
for(int j=0;j<n;j++){
                      //0120
     if(coloums[j]==true){
          for(int i=0;i<m;i++){
                arr[i][j]=0;
          }
     }
for(int i=0;i<m;i++){
                         //0120
     for(int j=0;j<n;j++){
          cout<<arr[i][j]<<"";
     cout < endl;
```

```
}
return 0;
}
```